

**COATING SYSTEM AND METHOD FOR COATING A SUBSTRATE
WITH A POWDER-BASED COATING COMPOSITION INCLUDING
A COLOR EFFECT-PROVIDING PIGMENT**

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ABSTRACT OF THE DISCLOSURE

- A coating system and method for coating a substrate are disclosed. The coating system and method incorporate a powder-based coating composition, and a film layer of the composition is applied to the substrate, having a first color effect, to produce a second color effect different from the first color effect. The composition includes a powder-based binder and a color effect-providing pigment. The powder-based binder is the reaction product of a resin, having a functional group, and a cross-linking agent reactive with the functional group. The color effect-providing pigment includes a pigment substrate and an inorganic coating. The pigment substrate has first and second substantially parallel and planar surfaces, and the inorganic coating is disposed on the first and second surfaces.
- 10 The inorganic coating has an index of refraction of 1.8 or less. To produce the second color effect, the inorganic coating and the pigment substrate of the color effect-providing pigment interact with the first color effect of the substrate upon application of the film layer to the substrate.
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